

3049 U.S. PRO  
03/14/01

Please type a plus sign (+) inside this box → **+**

03-15-01

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No.	10557/199332
First Inventor	Brian W. McKinnon
Title	Variable Geometry Rim Surface Acetabular Shell Liner
Express Mail Label No.	EL572470550US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
- ☒ Specification [Total Pages **51**]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **09**]
- Oath or Declaration [Total Pages **03**]
  - ☒ Unexecuted
  - ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
- ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 C.F.R. § 73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ Certified Copy of Priority Documents(s)  
(if foreign priority is claimed)
- ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☒ Other: Certificate of Mailing

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior Application No. \_\_\_\_\_ / \_\_\_\_\_  
Prior application information: Examiner Group / Art Unit \_\_\_\_\_

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

or ☐ Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	Heather D. Carmichael	Registration No. (Attorney/Agent)	42,389
Signature	<i>Heather D. Carmichael</i>	Date	March 14, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

## FEE TRANSMITTAL for FY 2001

*Patent fees are subject to annual revision.*

**TOTAL AMOUNT OF PAYMENT** (\$) **3,864.00**

### Complete if Known

Application Number	Express Mail Label No. EL572470550US
Filing Date	March 14, 2001
First Named Inventor	Brian W. McKinnon
Examiner Name	
Group / Art Unit	
Attorney Docket No.	10557/199332

<p><b>METHOD OF PAYMENT (check one)</b></p> <p>The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: <span style="border: 1px solid black; padding: 2px;">11-0855</span></p> <p>Deposit Account Name: <span style="border: 1px solid black; padding: 2px;">Kilpatrick Stockton LLP</span></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p><b>2. <input checked="" type="checkbox"/> Payment Enclosed:</b></p> <p><input checked="" type="checkbox"/> Check    <input type="checkbox"/> Credit card    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other</p>	<p><b>3. ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td></td></tr> </tbody> </table> <p>Other fee (specify) _____</p> <p>*Reduced by Basic Filing Fee Paid</p>	Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65		127	50	227	25		139	130	139	130		147	2,520	147	2,520		112	920*	112	920*		113	1,840*	113	1,840*		115	110	215	55		116	390	216	195		117	890	217	445		118	1,390	218	695		128	1,890	228	945		119	310	219	155		120	310	220	155		121	270	221	135		138	1,510	138	1,510		140	110	240	55		141	1,240	241	620		142	1,240	242	620		143	440	243	220		144	600	244	300		122	130	122	130		123	130	123	130		126	180	126	180		581	40	581	40		146	710	246	355		149	710	249	355		179	710	279	355		169	900	169	900	
Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																														
105	130	205	65																																																																																																																																															
127	50	227	25																																																																																																																																															
139	130	139	130																																																																																																																																															
147	2,520	147	2,520																																																																																																																																															
112	920*	112	920*																																																																																																																																															
113	1,840*	113	1,840*																																																																																																																																															
115	110	215	55																																																																																																																																															
116	390	216	195																																																																																																																																															
117	890	217	445																																																																																																																																															
118	1,390	218	695																																																																																																																																															
128	1,890	228	945																																																																																																																																															
119	310	219	155																																																																																																																																															
120	310	220	155																																																																																																																																															
121	270	221	135																																																																																																																																															
138	1,510	138	1,510																																																																																																																																															
140	110	240	55																																																																																																																																															
141	1,240	241	620																																																																																																																																															
142	1,240	242	620																																																																																																																																															
143	440	243	220																																																																																																																																															
144	600	244	300																																																																																																																																															
122	130	122	130																																																																																																																																															
123	130	123	130																																																																																																																																															
126	180	126	180																																																																																																																																															
581	40	581	40																																																																																																																																															
146	710	246	355																																																																																																																																															
149	710	249	355																																																																																																																																															
179	710	279	355																																																																																																																																															
169	900	169	900																																																																																																																																															

  

<b>FEE CALCULATION</b>																																																																																																																																																																																																																																																															
<p><b>1. BASIC FILING FEE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>710.00</td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td><td><b>(3) 710.00</b></td></tr> </tbody> </table> <p><b>2. EXTRA CLAIM FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Total Claims</td> <td>181</td> <td>-20</td> <td>=</td> <td>161</td> <td>Extra Claims</td> <td>X</td> <td>18.00</td> <td>=</td> <td>2,898</td> <td>Fee Paid</td> </tr> <tr> <td>Independent Claims</td> <td>08</td> <td>-3</td> <td>=</td> <td>05</td> <td>X</td> <td>80.00</td> <td>=</td> <td>400</td> <td></td> </tr> <tr> <td>Multiple Dependent Claims</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>=</td> <td>0</td> <td></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>independent claims in excess of 3</td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claims, if not paid</td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td></tr> <tr><td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td><td><b>(3) 3,298</b></td></tr> </tbody> </table>	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	101	710	201	355	Utility filing fee	710.00	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		<b>SUBTOTAL (1)</b>					<b>(3) 710.00</b>	Total Claims	181	-20	=	161	Extra Claims	X	18.00	=	2,898	Fee Paid	Independent Claims	08	-3	=	05	X	80.00	=	400		Multiple Dependent Claims					X		=	0		Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	103	18	203	9	Claims in excess of 20	102	80	202	40	independent claims in excess of 3	104	270	204	135	Multiple dependent claims, if not paid	109	80	209	40	** Reissue independent claims over original patent	110	18	210	9	** Reissue claims in excess of 20 and over original patent	<b>SUBTOTAL (2)</b>					<b>(3) 3,298</b>	<p><b>3. OTHER FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td></td></tr> </tbody> </table> <p>Other fee (specify) _____</p> <p>*Reduced by Basic Filing Fee Paid</p> <p><b>SUBTOTAL (3)</b> (\$) <b>0</b></p>	Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65		127	50	227	25		139	130	139	130		147	2,520	147	2,520		112	920*	112	920*		113	1,840*	113	1,840*		115	110	215	55		116	390	216	195		117	890	217	445		118	1,390	218	695		128	1,890	228	945		119	310	219	155		120	310	220	155		121	270	221	135		138	1,510	138	1,510		140	110	240	55		141	1,240	241	620		142	1,240	242	620		143	440	243	220		144	600	244	300		122	130	122	130		123	130	123	130		126	180	126	180		581	40	581	40		146	710	246	355		149	710	249	355		179	710	279	355		169	900	169	900	
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																										
101	710	201	355	Utility filing fee	710.00																																																																																																																																																																																																																																																										
106	320	206	160	Design filing fee																																																																																																																																																																																																																																																											
107	490	207	245	Plant filing fee																																																																																																																																																																																																																																																											
108	710	208	355	Reissue filing fee																																																																																																																																																																																																																																																											
114	150	214	75	Provisional filing fee																																																																																																																																																																																																																																																											
<b>SUBTOTAL (1)</b>					<b>(3) 710.00</b>																																																																																																																																																																																																																																																										
Total Claims	181	-20	=	161	Extra Claims	X	18.00	=	2,898	Fee Paid																																																																																																																																																																																																																																																					
Independent Claims	08	-3	=	05	X	80.00	=	400																																																																																																																																																																																																																																																							
Multiple Dependent Claims					X		=	0																																																																																																																																																																																																																																																							
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description																																																																																																																																																																																																																																																											
103	18	203	9	Claims in excess of 20																																																																																																																																																																																																																																																											
102	80	202	40	independent claims in excess of 3																																																																																																																																																																																																																																																											
104	270	204	135	Multiple dependent claims, if not paid																																																																																																																																																																																																																																																											
109	80	209	40	** Reissue independent claims over original patent																																																																																																																																																																																																																																																											
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																											
<b>SUBTOTAL (2)</b>					<b>(3) 3,298</b>																																																																																																																																																																																																																																																										
Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																											
105	130	205	65																																																																																																																																																																																																																																																												
127	50	227	25																																																																																																																																																																																																																																																												
139	130	139	130																																																																																																																																																																																																																																																												
147	2,520	147	2,520																																																																																																																																																																																																																																																												
112	920*	112	920*																																																																																																																																																																																																																																																												
113	1,840*	113	1,840*																																																																																																																																																																																																																																																												
115	110	215	55																																																																																																																																																																																																																																																												
116	390	216	195																																																																																																																																																																																																																																																												
117	890	217	445																																																																																																																																																																																																																																																												
118	1,390	218	695																																																																																																																																																																																																																																																												
128	1,890	228	945																																																																																																																																																																																																																																																												
119	310	219	155																																																																																																																																																																																																																																																												
120	310	220	155																																																																																																																																																																																																																																																												
121	270	221	135																																																																																																																																																																																																																																																												
138	1,510	138	1,510																																																																																																																																																																																																																																																												
140	110	240	55																																																																																																																																																																																																																																																												
141	1,240	241	620																																																																																																																																																																																																																																																												
142	1,240	242	620																																																																																																																																																																																																																																																												
143	440	243	220																																																																																																																																																																																																																																																												
144	600	244	300																																																																																																																																																																																																																																																												
122	130	122	130																																																																																																																																																																																																																																																												
123	130	123	130																																																																																																																																																																																																																																																												
126	180	126	180																																																																																																																																																																																																																																																												
581	40	581	40																																																																																																																																																																																																																																																												
146	710	246	355																																																																																																																																																																																																																																																												
149	710	249	355																																																																																																																																																																																																																																																												
179	710	279	355																																																																																																																																																																																																																																																												
169	900	169	900																																																																																																																																																																																																																																																												

\*\*or number previously paid, if greater. For Reissues, see above

<b>SUBMITTED BY</b>				<b>Complete (if applicable)</b>	
Name (Print/Type)	Heather D. Carmichael	Registration No. Attorney/Agent	42,389	Telephone	404.815.8500
Signature				Date	March 14, 2001

**WARNING: Information included on this form.**

Burden Hour Statement: This form is estimated to 1 amount of time you are required to complete this 1 DO NOT SEND FEES OR COMPLETED FORMS



23370

PATENT TRADEMARK OFFICE

ould not be is.

nds of the individual case. Any comments on the and Trademark Office, Washington, DC 20231. its, Washington, DC 20231.